

## Product datasheet for RC207599

### TFF1 (NM\_003225) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TFF1 (NM\_003225) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TFF1  
**Synonyms:** BCEI; D21S21; HP1.A; HPS2; pNR-2; pS2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC207599 representing NM\_003225  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCACCATGGAGAACAAGGTGATCTGCGCCCTGGTCTGGTCCATGCTGGCCCTCGGCACCCTGG  
CCGAGGCCAGACAGAGACGTGTACAGTGGCCCCCGTAAAGACAGAATTGTGGTTTTCTGGTGTAC  
GCCCTCCAGTGTGCAAATAAGGGCTGCTGTTTCGACGACACCGTTCGTGGGGTCCCCTGGTCTCTAT  
CCTAATACCATCGACGTCCTCCAGAAGAGGAGTGTGAATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC207599 representing NM\_003225  
Red=Cloning site Green=Tags(s)

MATMENKVICALVLVSMALGLAEAQTECTVAPRERQNCGFPVTPSQCANKGCCFDDTVRGVPWCFY  
PNTIDVPPEEECEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

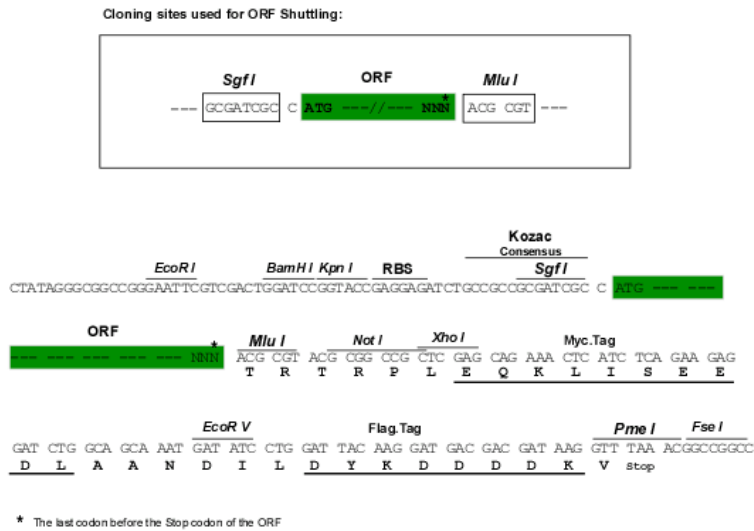
**Chromatograms:** [https://cdn.origene.com/chromatograms/mg2847\\_e01.zip](https://cdn.origene.com/chromatograms/mg2847_e01.zip)

**Restriction Sites:** Sgfl-Mlul

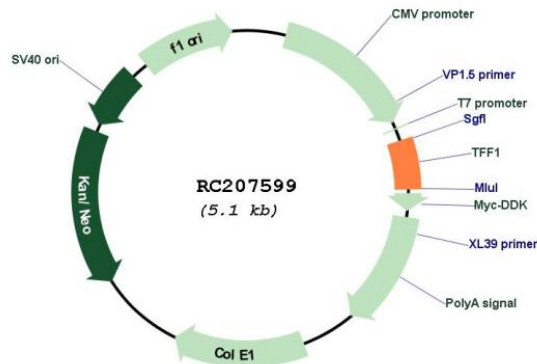


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Cloning Scheme:



Plasmid Map:



ACCN:

NM\_003225

ORF Size:

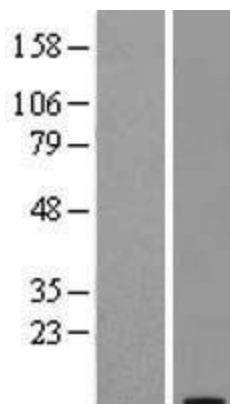
252 bp

OTI Disclaimer:

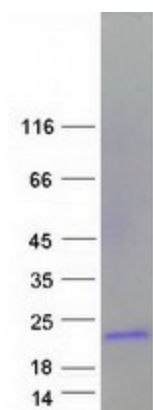
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_003225.3</a>
RefSeq Size:	508 bp
RefSeq ORF:	255 bp
Locus ID:	7031
Domains:	PD
Protein Families:	Druggable Genome, Secreted Protein
MW:	9.15 kDa
Gene Summary:	Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]

### Product images:



Western blot validation of overexpression lysate (Cat# [LY418822]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207599 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TFF1 protein (Cat# [TP307599]). The protein was produced from HEK293T cells transfected with TFF1 cDNA clone (Cat# RC207599) using MegaTran 2.0 (Cat# [TT210002]).